



July 29, 2016

Meagan E. Ormand Golder Associates Inc. 2108 W. Laburnum Ave. Suite 200 Richmond, VA 23227

RE: Project: Bremo Monthly Process Pace Project No.: 92306332

# Dear Meagan Ormand:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole Gasiorowski

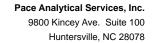
Micolo Yasiorovske

nicole.gasiorowski@pacelabs.com

**Project Manager** 

Enclosures





(704)875-9092



July 29, 2016 Page 2

cc: Ron DiFrancesco, Golder Associates Inc. Martha Smith, Golder Associates Inc. Mike Williams, Golder Associates Inc



# **REPORT OF LABORATORY ANALYSIS**

9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092



## **CERTIFICATIONS**

Project: Bremo Monthly Process

Pace Project No.: 92306332

**Ormond Beach Certification IDs** 

8 East Tower Circle, Ormond Beach, FL 32174

Alabama Certification #: 41320 Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079 Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007

Maryland Certification: #346 Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165 Wyoming Certification: FL NELAC Reciprocity

West Virginia Certification #: 9962C Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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# **SAMPLE ANALYTE COUNT**

Project: Bremo Monthly Process

Pace Project No.: 92306332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory	
92306332001	T1-160725-0345-S3	EPA 200.7	RVK	8	PASI-O	_

# **REPORT OF LABORATORY ANALYSIS**



# **PROJECT NARRATIVE**

Project: Bremo Monthly Process

Pace Project No.: 92306332

Method: EPA 200.7
Description: 200.7 MET ICP

Client: Golder\_Dominion\_Bremo

Date: July 29, 2016

## **General Information:**

1 sample was analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

## Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

## Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

## **Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

# **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

# Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

#### **Additional Comments:**

Analyte Comments:

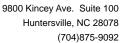
QC Batch: 311067

1g: Analyte was detected in the CCB. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 1649340)
  - Boron
- LCS (Lab ID: 1649341)
  - Boron
- MS (Lab ID: 1649342)
  - Boron
- MSD (Lab ID: 1649343)
  - Boron
- BLANK (Lab ID: 1649340)
  - Boron

This data package has been reviewed for quality and completeness and is approved for release.

## **REPORT OF LABORATORY ANALYSIS**





# **ANALYTICAL RESULTS**

Project: Bremo Monthly Process

Pace Project No.: 92306332

Date: 07/29/2016 08:28 AM

Sample: T1-160725-0345-S3	Lab ID: 9230	6332001	Collected: 07/25/1	6 03:4	5 Received: 07	7/25/16 14:10	Matrix: Water	•
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Meth	od: EPA 20	0.7 Preparation Met	hod: El	PA 200.7			
Aluminum	ND	ug/L	100	1	07/26/16 12:26	07/26/16 17:12	7429-90-5	
Barium	148	ug/L	10.0	1	07/26/16 12:26	07/26/16 17:12	7440-39-3	
Beryllium	ND	ug/L	1.0	1	07/26/16 12:26	07/26/16 17:12	7440-41-7	
Boron	1860	ug/L	50.0	1	07/26/16 12:26	07/26/16 17:12	7440-42-8	
Cobalt	ND	ug/L	10.0	1	07/26/16 12:26	07/26/16 17:12	7440-48-4	
Iron	ND	ug/L	250	1	07/26/16 12:26	07/26/16 17:12	7439-89-6	
Molybdenum	154	ug/L	10.0	1	07/26/16 12:26	07/26/16 17:12	7439-98-7	
Vanadium	35.8	ug/L	10.0	1	07/26/16 12:26	07/26/16 17:12	7440-62-2	



## **QUALITY CONTROL DATA**

Project: Bremo Monthly Process

Pace Project No.: 92306332

Date: 07/29/2016 08:28 AM

QC Batch: 311067 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET

Associated Lab Samples: 92306332001

METHOD BLANK: 1649340 Matrix: Water

Associated Lab Samples: 92306332001

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	07/26/16 17:00	
Barium	ug/L	ND	10.0	07/26/16 17:00	
Beryllium	ug/L	ND	1.0	07/26/16 17:00	
Boron	ug/L	ND	50.0	07/26/16 17:00	1g
Cobalt	ug/L	ND	10.0	07/26/16 17:00	
Iron	ug/L	ND	250	07/26/16 17:00	
Molybdenum	ug/L	ND	10.0	07/26/16 17:00	
Vanadium	ug/L	ND	10.0	07/26/16 17:00	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	2500	2540	102	85-115	
Barium	ug/L	250	260	104	85-115	
Beryllium	ug/L	25	26.6	106	85-115	
Boron	ug/L	2500	2500	100	85-115 1	g
Cobalt	ug/L	250	258	103	85-115	
Iron	ug/L	2500	2530	101	85-115	
Molybdenum	ug/L	250	256	102	85-115	
Vanadium	ug/L	250	257	103	85-115	

MATRIX SPIKE & MATRIX SPI	KE DUPLICAT	E: 16493	42		1649343						
			MS	MSD							
	923	306338001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
Aluminum	ug/L	ND	2500	2500	2640	2660	101	102	70-130	1	
Barium	ug/L	146	250	250	449	452	121	122	70-130	1	
Beryllium	ug/L	ND	25	25	26.5	26.9	106	108	70-130	2	
Boron	ug/L	1800	2500	2500	4290	4370	100	103	70-130	2 1g	
Cobalt	ug/L	ND	250	250	259	258	103	103	70-130	0	
Iron	ug/L	ND	2500	2500	2520	2560	101	102	70-130	1	
Molybdenum	ug/L	154	250	250	392	391	95	95	70-130	0	
Vanadium	ug/L	35.4	250	250	298	300	105	106	70-130	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

# **REPORT OF LABORATORY ANALYSIS**

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## **QUALIFIERS**

Project: Bremo Monthly Process

Pace Project No.: 92306332

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

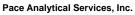
#### **LABORATORIES**

PASI-O Pace Analytical Services - Ormond Beach

#### **ANALYTE QUALIFIERS**

Date: 07/29/2016 08:28 AM

1g Analyte was detected in the CCB. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.





9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Bremo Monthly Process

Pace Project No.: 92306332

Date: 07/29/2016 08:28 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92306332001	T1-160725-0345-S3	EPA 200.7	311067	EPA 200.7	311119



# Document Name: Sample Condition Upon Receipt(SCUR)

Document No.: F-MEC-CS-009-Rev.03 Document Revised: May 24, 2016 Page 1 of 2

Issuing Authority:

Pace Mechanicsville Quality Office

Courier:  Commercial  Client Name:  Client Name:  Fed Ex  Pace			_	Project WO#: 92306332
	eals Intact?	□v □v	es [	No  Date/Initials Person Examining Contents: 7-25-16  Other: PCB
Thermometer:      RMD001     Correction Factor: 0.0°C   Cooler Temp Corrected (   Temp should be above freezing to 6°C     USDA Regulated Soil (	Type of	f Ice:	Wet	Biological Tissue Frozen? Yes No N/A
				Comments/Discrepancy:
Chain of Custody Present?	Yes	□No	□N/A	1.
Samples Arrived within Hold Time?	Yes	□No	□N/A	2.
Short Hold Time Analysis (<72 hr.)?	ПYes	No	□N/A	3.
Rush Turn Around Time Requested?	Viyes	□No	□N/A	4.
Sufficient Volume?	Yes	No	□N/A	5.
Correct Containers Used?	Yes	□No	□N/A	6.
-Pace Containers Used?	Yes	□No	□N/A	
Containers Intact?	Yes	□No	□N/A	7.
Samples Field Filtered?	Yes	□No	₩N/A	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	Yes	□No	□N/A	9.
-Includes Date/Time/ID/Analysis Matrix: NIN	)			
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in	Yes	□No	□n/a	10. <sub>HNC3 pH&lt;2</sub>
compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) <b>Exceptions</b> : VOA, Coliform, TOC, Oil and Grease,		□No	□n/a	H2SO4 pH<2 NaOH pH>12
DRO/8015 (water) DOC,LLHg	Yes	□No	N/A	NaOH/ZnOAc pH>9
Samples checked for dechlorination?	Yes	□No	N/A	11.
Headspace in VOA Vials (>5-6mm)?	Yes	□No	DN/A	12.
Trip Blank Present? Trip Blank Custody Seals Present?	☐Yes	□No	N/A	13.
Pace Trip Blank Lot # (if purchased):	☐Yes	□No	☑n/a	•
CLIENT NOTIFICATION/RESOLUTION				Field Data Required? Yes No
				пед записущест.
Person Contacted:  Comments/Sample  Discrepancy:				Date/Time:
Project Manager SCURF Review:	NMG			Date: 7/26/16
Project Manager SRF Review:  Note: Whenever there is a discrepancy affecting North Caro Out of hold, incorrect preservative, out of temp, incorrect co			s, a copy o	Date: $\frac{72616}{1000}$ of this form will be sent to the North Carolina DEHNR Certification Office (i.e.

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						All analyses to be performed under Golder-Pace MSA dated 12/19/2008	ADDITIONAL COMMENTS												T1-160725-0345-53	QUE	WATER WATER WATER WASTE WATER PRODUCT SOLUSOLID OIL WIPE	Section D Valid Matrix Codes Required Client Information MATRIX CODE		Requested Due Date/TAT: Uk 24 HOUR 3 - Duy	804-551-0129 Fax: 804-358-2900	o: Mormand@golder.com	Richmond, VA 23227	2108 W Laburnum Ave, Ste 200	y: Golder Associates	Section A Required Client Information:	Pace Analytical" www.pacelabs.com
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# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories Environmental 2425 New Holland Pike Lancaster, PA 17601 Pace Analytical Services Suite 100 9800 Kincey Ave Huntersville NC 28078

Report Date: July 28, 2016

Project: 92306332

Submittal Date: 07/26/2016 Group Number: 1686885 PO Number: NMG #15793 State of Sample Origin: VA

<u>Client Sample Description</u> T1-160725-0345-S3 Water Sample Lancaster Labs (LL) # 8491984

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <a href="http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/">http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/</a>.

Electronic Copy To Pace Analytical Services

Attn: Nicole Gasiorowski

Bornie Stadelmann

Respectfully Submitted,

Bonnie Stadelmann Senior Project Manager

(312) 590-3133



# Lancaster Laboratories Environmental

# **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: T1-160725-0345-S3 Water Sample

92306332001

92306332

LL Sample # WW 8491984

LL Group # 1686885 Account # 10945

1

Project Name: 92306332

Submitted: 07/26/2016 09:30

Reported: 07/28/2016 17:59

Collected: 07/25/2016 15:45 Pace Analytical Services

Suite 100

9800 Kincey Ave

Huntersville NC 28078

\_\_\_\_\_

CAT No. Analysis Name CAS Number Result Quantitation Dilution Factor

Wet Chemistry OIA-1677-09 mg/l mg/l
12941 Free Cyanide n.a. < 10.0 10.0

#### Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

# Laboratory Sample Analysis Record

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
12941	Free Cyanide	OIA-1677-09	1	16210941101A	07/28/2016 15:49	Joseph E McKenzie	1



# Lancaster Laboratories Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Quality Control Summary

Client Name: Pace Analytical Services Group Number: 1686885

Reported: 07/28/2016 17:59

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Method Blank

 Analysis Name
 Result
 LOQ

 mg/1
 mg/1

 Batch number: 16210941101A
 Sample number(s): 8491984

 Free Cyanide
 < 10.0</td>
 10.0

## LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 16210941101A Free Cyanide	Sample number 0.0400	r(s): 8491 0.0411	984		103		86-132		

# MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16210941101A Free Cyanide	Sample numb 0.00220	er(s): 8491 0.0200	.984 UNSP 0.0201	K: 8491984 0.0200	0.0192	90	85*	86-132	5*	3

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

<sup>\*-</sup> Outside of specification

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The unspiked result was more than four times the spike added.

# **Chain of Custody**

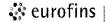
A-10945 G-1686885 5-8491964-66



Work	order: 92306332	Worko	order Nam	ne: Br	emo Mon	thly Proces	ss			Re	sults F	lequest	ed By:	7/28/2	2016		
Report	/ Invoice To		S S	ubcontract	To			100	112,000	. S.		Red	uested /	Analysis	ST 44.55		
Nicole Gasiorowski Pace Analytical Charlotte Sample Administration P.O. NMB # 15793 9800 Kincey Ave. Suite 100 Gurofins Lancaster Laboratories Env. Huntersville, NC 28078 Phone (704)875-9092 Email: nicole.gasiorowski@pacelabs.com  Lancaster   PA 17601  State of Sample Origin: VA  Preserved Containers																	
State	or Sample Origin:	VA					Prese	rved Co	ntainers	<del>ن</del> ا	1						
Item	Sample ID		Collect Date/Time	Lab	lD .	Matrix	极			og L	OTF						LAB USE ONLY
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<u> </u>	er Temperature on	Receipt 1	8 °C	Custo	ody Seal			Rec		<i>೧೬ ( 43.</i> on Ice	- AND TO S. T. S. S.	or N		S	amples	Intact/	Ŷor N

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Lancaster Laboratories Environmental

# Sample Administration Receipt Documentation Log

Doc Log ID:

155100

Group Number(s): / 686885

Client: Pace

**Delivery and Receipt Information** 

Delivery Method:

Fed Ex

Arrival Timestamp:

07/26/2016 9:30

Number of Packages:

1

Number of Projects:

1

State/Province of Origin:

NC

**Arrival Condition Summary** 

Shipping Container Sealed:

Yes

Sample IDs on COC match Containers:

Yes

**Custody Seal Present:** 

Yes

Sample Date/Times match COC:

Yes

**Custody Seal Intact:** 

Yes

VOA Vial Headspace ≥ 6mm:

N/A

Samples Chilled:

Yes

Total Trip Blank Qty:

0

Paperwork Enclosed:

Yes

Air Quality Samples Present:

No

Samples Intact:

Yes

Missing Samples:

No

Extra Samples:

No

Discrepancy in Container Qty on COC:

No

Unpacked by Joseph Huber (7831) at 09:53 on 07/26/2016

Samples Chilled Details

Thermometer Types:

DT = Digital (Temp. Bottle)

IR = Infrared (Surface Temp)

All Temperatures in °C.

Thermometer ID Cooler # 1

32170023

Corrected Temp 1.8

Therm. Type IR

Ice Type Wet

Ice Present?

Ice Container Loose

**Elevated Temp?** 

Ν



Lancaster Laboratories Environmental

# **Explanation of Symbols and Abbreviations**

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
μg	microgram(s)	mg	milligram(s)
mĹ	milliliter(s)	Ĺ	liter(s)
m3	cubic meter(s)	μL	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

**Dry weight basis**Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

# Laboratory Data Qualifiers:

B - Analyte detected in the blank

C - Result confirmed by reanalysis

E - Concentration exceeds the calibration range

J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)

P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.

U - Analyte was not detected at the value indicated

V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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